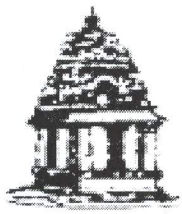
(10)



BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAAPURA

***Name of Work**: Estimate for Construction of CC Road and RCC Drains at C.Ramaiah Layout in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.*

Estimated Cost: Rs. 19.90 Lakhs

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಯಲಹಂಕ ವಲಯ

ಬೆಂಗಳೂರು – 92.

ವರದಿ:

ವಿಷಯ: Construction of CC Road and RCC Drains at Sriramaiah Layout in Ward No. 10, Daddabommasandra, Vidyaranyapura Sub Divisionನ ಕಾಮಗಾರಿ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಅನುಮೋದನೆಗೆ ಸಲ್ಲಿಸುವ ಬಗ್ಗೆ.

ಕಾಮಗಾರಿ ಸಂಕೇತ:

* * * * *

ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪವಿಭಾಗದ ವಾರ್ಡ್ ನಂ. 10ರ ವ್ಯಾಪ್ತಿಯಲ್ಲಿನ ಸಿ.ರಾಮಯ್ಯ ಬಡಾವಣೆಯ ಅಡ್ಡರಸ್ತೆಗಳಲ್ಲಿ ಸಿಮೆಂಟ್ ಕಾಂಕ್ರೀಟ್ ಚರಂಡಿ ನಿರ್ಮಾಣ ಕಾಮಗಾರಿಗೆ 2012–13ನೇ ಸಾಲಿನ ಅನುದಾನದಡಿ ರೂ. 19.90 ಲಕ್ಷಗಳ ಅನುದಾನಕ್ಕೆ ಅನುಮೋದನೆಯಾಗಿರುತ್ತದೆ.

ವಾರ್ಡ್ ವ್ಯಾಪ್ತಿಯಲ್ಲಿನ ಸಿ.ರಾಮಯ್ಯ ಅಡ್ಡರಸ್ತೆಯ ಬದಿ ಚರಂಡಿಗಳಿಲ್ಲದೆ ನಿತ್ಯ ಬಳಕೆಯ ನೀರು ರಸ್ತೆಯ ಮೇಲೆ ಹರಿದು ರಸ್ತೆಯು ಹಾಳಾಗುವುದರ ಜೊತೆಗೆ ಪರಿಸರ ಮಾಲೀನ್ಯವಾಗಿ ಸಾಂಕ್ರಾಮಿಕ ರೋಗಗಳು ಹರಡುವ ಸಾಧ್ಯತೆ ಹೆಚ್ಚಾಗಿರುತ್ತದೆ. ಆದ್ದರಿಂದ ಸದರಿ ರಸ್ತೆಗಳ ಬದಿ ಕಾಂಕ್ರೀಟ್ ಚರಂಡಿಯನ್ನು ನಿರ್ಮಿಸಲು ಸ್ಥಳೀಯ ಚುನಾಯಿತ ಪ್ರತಿನಿಧಿಗಳು ಕೋರಿರುವುದರ ಸ್ಥಳ ಪರಿಶೀಲನೆ ಮಾಡಿ ಸದರಿ ಕಾಮಗಾರಿಯನ್ನು 2012–13ನೇ ಸಾಲಿನ ಕಾರ್ಯಕ್ರಮದ ಯೋಜನೆಯಡಿ ಕಾಮಗಾರಿಯನ್ನು ಸೇರಿಸಿಕೊಂಡು ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ವಹಿಸಬೇಕಾಗಿರುತ್ತದೆ, ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ಹಿಸಲು ಈ ಕೆಳಕಂಡ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಅಂದಾಜನ್ನು ತಯಾರಿಸಿ ಸಲ್ಲಿಸಲಾಗಿದೆ.

1. ಅಡ್ಡರಸ್ತೆಗಳಿಗೆ ಸಿಮೆಂಟ್ ಕಾಂಕ್ರೀಟ್ ಚರಂಡಿ ನಿರ್ಮಿಸಲು ಮಣ್ಣು ಅಗೆತದ ಕೆಲಸ ಮಾಡುವುದು.
2. ಸಿಮೆಂಟ್ ಕಾಂಕ್ರೀಟ್ ಚರಂಡಿ ನಿರ್ಮಿಸಲು ಎಂ 7.5, ಉಕ್ಕು ಹಾಗೂ ಎಂ20 ಅಳವಡಿಸಿ ಕಾಂಕ್ರೀಟ್ ಚರಂಡಿ ನಿರ್ಮಾಣ ಮಾಡುವುದು.
3. ಗ್ರಾನೈಟ್ ಕಲ್ಲುಗಳನ್ನು 2ಲೈನ್ ಡ್ರಸಿಂಗ್ ಮಾಡಿ ಚರಂಡಿಯನ್ನು ಮುಚ್ಚುವುದು ಹಾಗೂ ಇತರೆ ಅವಶ್ಯಕ ಅಂಶಗಳಿಗೆ ಅಂದಾಜಿನಲ್ಲಿ ಅವಕಾಶ ಕಲ್ಪಿಸಿಕೊಂಡಿರುತ್ತದೆ.

ಅಂದಾಜನ್ನು 2012–13ನೇ ಸಾಲಿನ ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ ದರಪಟ್ಟಿಯನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ರೂ. 19.90 ಲಕ್ಷಗಳಿಗೆ ತಯಾರಿಸಿದ್ದು, 2012–13ನೇ ಸಾಲಿನ ಕಾರ್ಯಕ್ರಮದಡಿಯಲ್ಲಿನ ಅನುದಾನದಲ್ಲಿ ಅನುಮೋದಿಸಿ ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ, ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ಹಾಗೂ ಕಾಮಗಾರಿ ಸಂಕೇತನ ನೀಡಲು ಕೋರಲಾಗಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ. 10 (ದೊಡ್ಡಬೊಮ್ಮಸಂದ್ರ)
ವಿದ್ಯಾರನ್ಯಪುರ ಉಪವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು,
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪವಿಭಾಗ
ಬೃ.ಬೆಂ.ಮ.ಪಾ., ಬೆಂಗಳೂರು – 97.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು,
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ ಪಾ., ಬೆಂಗಳೂರು-97

BRUHATH BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of Work: Estimate for Construction of CC Road and RCC Drains at C.Ramaiah Layout in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

					Estimate Cost:			1990000.00	
Sl No.	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, **No. 5/ Item No. 2.3/ PWD SR 2012-13**	Cum							
	2nd Main Road 1st Cross Road		2	70.00	0.90	0.70	88.20		
	2nd Main Road 2nd Cross Road		2	70.00	0.90	0.70	88.20		
	2nd Main Road 2nd A Cross Road		2	49.00	0.90	0.70	61.74		
	2nd Main Road 3rd Cross Road		2	75.00	0.90	0.70	94.50		
	2nd Main Road 3rd A Cross Road		2	31.00	0.90	0.70	39.06		
							371.70	135.00	**50180.00**
	Basic Rate	125.00							
	Area Weightage @ 8%	10.00							
	Total	**135.00**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2012-13**	Cum							
	2nd Main Road 1st Cross Road		2	70.00	0.75	0.15	15.75		
	2nd Main Road 2nd Cross Road		2	70.00	0.75	0.15	15.75		
	2nd Main Road 2nd A Cross Road		2	49.00	0.75	0.15	11.03		
	2nd Main Road 3rd Cross Road		2	75.00	0.75	0.15	16.88		
	2nd Main Road 3rd A Cross Road		2	31.00	0.75	0.15	6.98		
							66.38	3884.76	**257851.00**
	Basic Rate	3597.00							
	Area Weightage @ 8%	287.76							
	Total	**3884.76**							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 17/ Item No. 4.34/ PWD SR 2012-13**	Sqm							
	2nd Main Road 1st Cross Road		2 X 3	70.00		0.60	252.00		
	2nd Main Road 2nd Cross Road		2 X 3	70.00		0.60	252.00		
	2nd Main Road 2nd A Cross Road		2 X 3	49.00		0.60	176.40		
	2nd Main Road 3rd Cross Road		2 X 3	75.00		0.60	270.00		
	2nd Main Road 3rd A Cross Road		2 X 3	31.00		0.60	111.60		
							1062.00	222.48	**236274.00**
	Basic Rate	206.00							
	Area Weightage @ 8%	16.48							
	Total	**222.48**							
4	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2012-13**	Cum							
	2nd Main Road 1st Cross Road Bottom		2	70.00	0.60	0.10	8.40		
	Side Walls		2x2	70.00	0.10	0.60	16.80		
	2nd Main Road 2nd Cross Road Bottom		2	70.00	0.60	0.10	8.40		
	Side Walls		2x2	70.00	0.10	0.60	16.80		
	2nd Main Road 2nd A Cross Road Bottom		2	49.00	0.60	0.10	5.88		
	Side Walls		2x2	49.00	0.10	0.60	11.76		
	2nd Main Road 3rd Cross Road Bottom		2	75.00	0.60	0.10	9.00		

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Side Walls		2x2	75.00	0.10	0.60	18.00		
	2nd Main Road 3rd A Cross Road Bottom		2	31.00	0.60	0.10	3.72		
	Side Walls		2x2	31.00	0.10	0.60	7.44		
							106.20	5239.08	**556390.00**
	Basic Rate	4851.00							
	Area Weightage @ 8%	388.08							
	Total	**5239.08**							
5	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19/ Item No. 4.46/ PWD SR 2012-13**	Qtl							
	Consider 75 Kg / Cum		0.50	106.20			**53.10**	7323.48	**388877.00**
	Basic Rate	6781.00							
	Area Weightage @ 8%	542.48							
	Total	**7323.48**							
6	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, **No. 6/ Item No. 2.10/ PWD SR 2012-13**	Cum							
	2nd Main Road 1st Cross Road		2	70.00	0.30	0.60	25.20		
	2nd Main Road 2nd Cross Road		2	70.00	0.30	0.60	25.20		
	2nd Main Road 2nd A Cross Road		2	49.00	0.30	0.60	17.64		
	2nd Main Road 3rd Cross Road		2	75.00	0.30	0.60	27.00		
	2nd Main Road 3rd A Cross Road		2	31.00	0.30	0.60	11.16		
							106.20	90.72	**9634.00**
	Basic Rate	84.00							
	Area Weightage @ 8%	6.72							
	Total	**90.72**							
7	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			Qty Vide Item No. (1-6)				**225.68**	72.71	**16408.00**
	Basic rate for haulage of materials as per item no.17.4 page 118) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2x1.28x2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.118	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
8	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete 10 cms thick **Page No. 28 / Item No. 5.31.2 / PWD SR 2012-13**	Sqm							
	2nd Main Road 1st Cross Road		2	70.00		0.60	84.00		
	2nd Main Road 2nd Cross Road		2	70.00		0.60	84.00		
	2nd Main Road 2nd A Cross Road		2	49.00		0.60	58.80		
	2nd Main Road 3rd Cross Road		2	75.00		0.60	90.00		
	2nd Main Road 3rd A Cross Road		2	31.00		0.60	37.20		
				295.00			**354.00**	486.00	**172044.00**
	Basic Rate	450.00							
	Area Weightage @ 8%	36.00							
	Total	**486.00**							
9	KSRB 5-9: Providing chamfering edges to stone slab 2.5cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13 **Page No. 27 / Item No. 5.22/ PWD SR 2012-13**	m							
			1311	2.10			**2753.10**	25.39	**69903.00**
	Basic Rate	23.51							
	Area Weightage @ 8%	1.88							
	Total	**25.39**							
10	KSRB 5-8.2 : Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5-1.13 **Page No. 26 / Item No. 5.18/ PWD SR 2012-13**	Sqm							
	2nd Main Road 1st Cross Road		2	70.00		0.60	84.00		
	2nd Main Road 2nd Cross Road		2	70.00		0.60	84.00		
	2nd Main Road 2nd A Cross Road		2	49.00		0.60	58.80		
	2nd Main Road 3rd Cross Road		2	75.00		0.60	90.00		
	2nd Main Road 3rd A Cross Road		2	31.00		0.60	37.20		
							354.00	653.40	**231304.00**

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	605.00							
	Area Weightage @ 8%	48.40							
	Total	**653.40**							
11	Miscellaneous and unforeseen charges	LS							**1135.00**
								Total	**1990000.00**
(Rupees Ninteen Lakhs Ninrty Thousand Only)									

CERTIFICATE:

1. Certified that I have personally inspected the area and prepared the Estimate.
2. Certified that the above estimate is prepared as per PWD SR 2012-13.
3. Certified that the work proposed in this estimate is not including in any other scheme.
4. The provisions were made in this estimate are necessary and adequate.
5. This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P., Bangalore.

12/12/2012

Executive Engineer
Byatarayanapura Division.
B.B.M.P., Bangalore.

Technical Sanction for Rs 19.90 lakhs
(nineteen lakh ninety thousand only)
under PWD - 2012-13
P. 1771
registered as EE 377/12-13 Subject
to conditions contained enclosed memo.
No: 377/12-13 Dt. 10.1.13
AE/JE

ADMINISTRATIVELY SANCTIONED FOR Rs
Rupees nineteen lakh ninety
thousand only
Under PWD-2012-13
P. 1771
Registered as EE ( ) No 3 9
Subject to conditions contained in
enclosed memo EE (BYT) No 746 /9
Dt 7-1-13 Estimate A/C sanctioned
JCA&A No 746/12-13
Dated 7-1-13 Rs 19.90 lakhs

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92.